NOX REMOVAL APPARATUS INCLUDNG MANGANESE DIOXIDE AND COPPER OXIDE SUPPORT

ABSTRACT OF THE DISCLOSURE

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 Nitric oxide (NO) and nitrogen dioxide (NO₂) are removed from air by an adsorbent including a combination of a support and an alkali material. The support is a mixture including manganese dioxide (MnO₂) and copper oxide (CuO). The alkali material may be, for example, potassium carbonate (K₂CO₃) or potassium hydroxide (KOH). The adsorbent allows efficient NOx removal occurs at temperatures below 100°C.